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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/625,753	07/23/2003	Eric Jeffrey	VP065	8133

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EPSON RESEARCH AND DEVELOPMENT INC  
INTELLECTUAL PROPERTY DEPT  
2580 ORCHARD PARKWAY, SUITE 225  
SAN JOSE, CA 95131

EXAMINER
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DO. ANH HONG

ART UNIT	PAPER NUMBER
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2624

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/09/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/625,753

Applicant(s)

JEFFREY ET AL.

Examiner

ANH H. DO

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-34 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-34 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. ____                                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>7/23/2003</u> .   | 6) <input type="checkbox"/> Other: ____                           |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1-34 are rejected under 35 U.S.C. 102(a) as being anticipated by the prior art described in the specification (hereafter the PAA).

Regarding claim 1, the PAA discloses:

- receiving image data from a data stream (specification, page 9, lines 2-3 and Fig. 10: receiving a JPEG file (i.e., an image data from a data stream));
- transforming the image data as it is received by selectively storing some of the image data in a memory for access by the display device 24 as shown in Fig. 2 and discarding other of the image data (see Fig. 4: discarding every other pixel 30 in a row).

Regarding claim 12, since this claim is an apparatus claim corresponding to method claim 1, the discussion of claim 1 is applied hereto.

Regarding claim 24, the PAA discloses a CPU 84 (i.e., a computer) (Fig. 11) for performing the steps in claim 1.

Regarding claims 2, 13, and 25, the PAA teaches receiving a first data element corresponding to a line of the display 24 at a first time, wherein said selectively storing image data includes storing said first data element at a second time subsequent to the first time, and wherein receiving a second data element corresponding to the same said

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line at a third time subsequent to said second time (Fig. 2 and page 4, lines 22-30: updating pixels line-by-line in raster sequence in the display device 24 from time to time and storing the pixels in memory in raster sequence).

Regarding claims 3, 4, 6, 7, 14, 15, 17, 18, 26, 27, 29, and 30, the PAA teaches the data element is a pixel component (see Fig. 2 and page 4, lines 22-30).

Regarding claims 5, 16, and 28, the PAA teaches receiving first and second data elements consecutively (see Fig. 2 and page 4, lines 22-30).

Regarding claims 8, 19, and 31, the PAA teaches receiving the image data from a CODEC (see Fig. 10 and page 9, lines 2-5).

Regarding claims 9, 20, and 32, the PAA teaches JPEG decoded block-interleaved data (see Fig. 10 and page 9, lines 9-10).

Regarding claims 10, 21, and 33, the PAA teaches cropping the image (Fig. 3 and page 5, lines 5-10).

Regarding claims 11, 22, and 34, the PAA teaches scaling the image (Fig. 4 and page 5, lines 16-26).

Regarding claim 23, the PAA teaches a graphic controller 86 (Fig. 11).

### ***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANH H. DO whose telephone number is 571-272-7433. The examiner can normally be reached on 5/4-9.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MATTHEW BELLA can be reached on 571-272-7778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

January 7, 2007

A handwritten signature in black ink, appearing to read 'Anh Hong Do', with a long, sweeping horizontal line extending to the right.

**ANH HONG DO**  
**PRIMARY EXAMINER**